

10/670,744

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 6 NOV 30 PHAR reloaded with additional data
NEWS 7 DEC 01 LISA now available on STN
NEWS 8 DEC 09 12 databases to be removed from STN on December 31, 2004

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:31:03 ON 11 DEC 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:31:23 ON 11 DEC 2004

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10/670,744

STRUCTURE FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0
DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

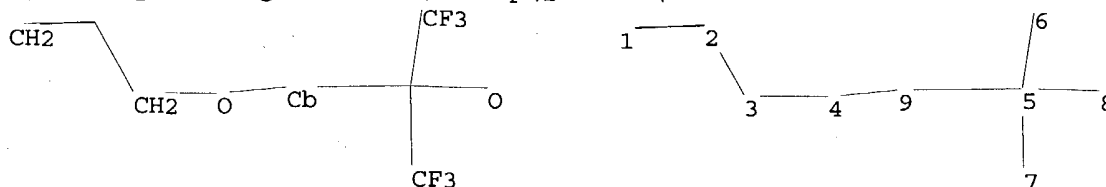
ENTER SCREEN EXPRESSION OR (END):end

=> screen 970

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10670744d.str



chain nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-2 2-3 3-4 4-9 5-8 5-6 5-7 5-9

exact/norm bonds :

5-8

exact bonds :

1-2 2-3 3-4 4-9 5-6 5-7 5-9

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

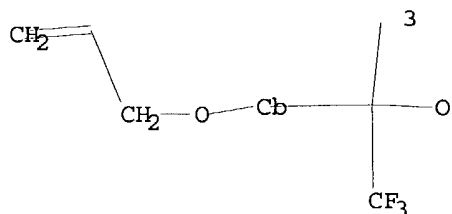
=> d

L3 HAS NO ANSWERS

L1 SCR 970

L2 STR

10/670,744



Structure attributes must be viewed using STN Express query preparation.
L3 QUE L2 AND L1

=> s l3
SAMPLE SEARCH INITIATED 15:31:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 277 TO ITERATE

100.0% PROCESSED 277 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4542 TO 6538
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 AND L1

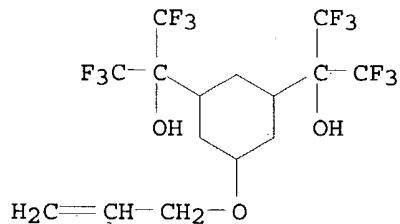
=> s l3 ful
FULL SEARCH INITIATED 15:31:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5663 TO ITERATE

100.0% PROCESSED 5663 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L5 4 SEA SSS FUL L2 AND L1

=> d scan

L5 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1,3-Cyclohexanedimethanol, 5-(2-propenyloxy)- α,α,α' ,.alp
ha.'-tetrakis(trifluoromethyl)- (9CI)
MF C15 H16 F12 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/670,744

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 15:32:01 ON 11 DEC 2004

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FILE COVERS 1907 - 11 Dec 2004 VOL 141 ISS 25

FILE LAST UPDATED: 10 Dec 2004 (20041210/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l5

L6 1 L5

=> d

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:217351 CAPLUS

DN 140:254360

TI Fluoro compounds, their polymers, and their use for antireflective films and resist materials

IN Kadota, Shinichi; Komoritani, Haruhiko; Maeda, Kazuhiko

PA Central Glass Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 30 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 2004083900 | A2 | 20040318 | JP 2003-279778 | 20030725 |
| | US 2004106755 | A1 | 20040603 | US 2003-634997 | 20030806 |
| PRAI | JP 2002-229552 | A | 20020807 | | |
| OS | MARPAT 140:254360 | | | | |

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.50

157.13

STN INTERNATIONAL LOGOFF AT 15:32:29 ON 11 DEC 2004

10/670,744

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|---|------------------|---------|------------------|
| L1 | 865 | ((568/665) or (568/669) or (568/664)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 12:36 |
| L2 | 5398575 | fluorine or f! | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:36 |
| L3 | 446 | l1 and l2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:37 |
| L4 | 143890 | cyclohexane or (bicyclo near5 heptane) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:37 |
| L5 | 127 | l3 and l4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:40 |
| L6 | 1950 | hexafluoroisopropanol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:38 |
| L7 | 1 | l5 and l6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:38 |
| L8 | 147134 | allyl | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 12:40 |
| L9 | 41 | l5 and l8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:01 |
| L10 | 2812 | ((560/125) or (560/256) or (562/502) or (562/507) or (562/510)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 13:02 |

| | | | | | | |
|-----|--------|--------------------------------|---|----|-----|------------------|
| L11 | 0 | ("l2andl4andl8andl10").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 13:02 |
| L12 | 2828 | l2 and l4and l8and l10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:03 |
| L13 | 139 | l2 and l4 and l8 and l10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:10 |
| L14 | 20287 | allyl near3 ether | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:11 |
| L15 | 197135 | alicyclic or l4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:11 |
| L16 | 6975 | l14 and l15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:12 |
| L17 | 5367 | l2 and l16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:13 |
| L18 | 7096 | resist adj composition | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:13 |
| L19 | 184 | l17 and l18 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:19 |
| L20 | 18 | fluorine near3 allyl adj ether | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/12/11 13:20 |

10/670,744

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 6 NOV 30 PHAR reloaded with additional data
NEWS 7 DEC 01 LISA now available on STN
NEWS 8 DEC 09 12 databases to be removed from STN on December 31, 2004

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:50:50 ON 11 DEC 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:51:11 ON 11 DEC 2004

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STRUCTURE FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0
DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

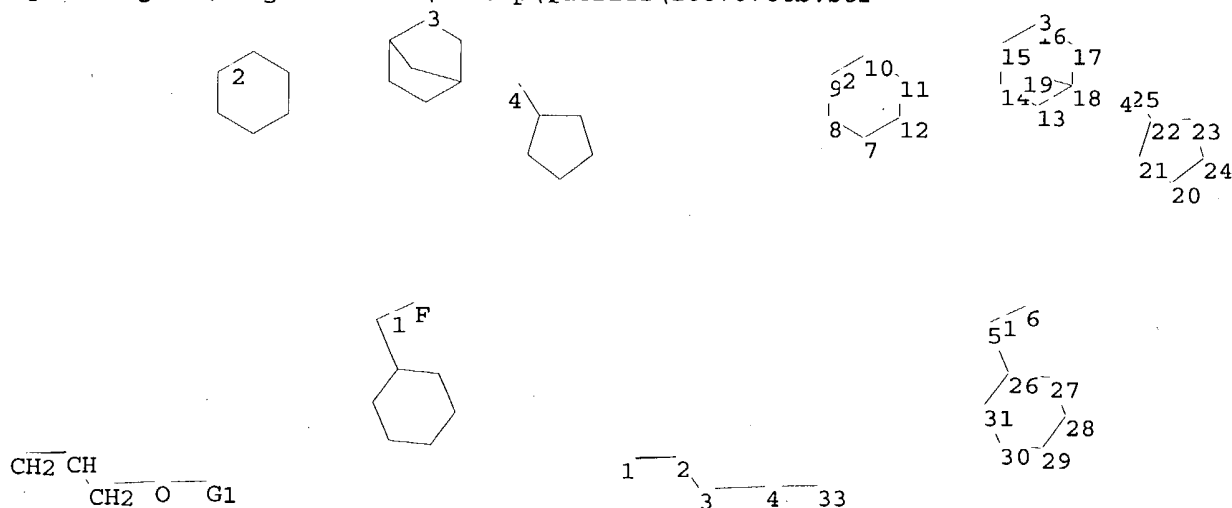
ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10670744b.str



chain nodes :

1 2 3 4 5 6 25 33

ring nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 29
30 31

chain bonds :

1-2 2-3 3-4 4-33 5-26 5-6 22-25

ring bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 15-19 16-17 17-18
18-19 20-21 20-24 21-22 22-23 23-24 26-27 26-31 27-28 28-29 29-30 30-31

10/670,744

exact/norm bonds :

4-33 13-14 13-18 14-15 15-16 15-19 16-17 17-18 18-19

exact bonds :

1-2 2-3 3-4 5-26 5-6 7-8 7-12 8-9 9-10 10-11 11-12 20-21 20-24 21-22
22-23 22-25 23-24 26-27 26-31 27-28 28-29 29-30 30-31

isolated ring systems :

containing 7 : 20 : 26 :

G1:[*1],[*2],[*3],[*4]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom
28:Atom 29:Atom 30:Atom 31:Atom 33:CLASS

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 970 AND 1015

L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L3 QUE L2 AND L1

=> s l3

SAMPLE SEARCH INITIATED 14:51:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2041 TO ITERATE

49.0% PROCESSED 1000 ITERATIONS

32 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 38111 TO 43529

PROJECTED ANSWERS: 822 TO 1790

L4 32 SEA SSS SAM L2 AND L1

=> s l3 ful

FULL SEARCH INITIATED 14:51:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 41009 TO ITERATE

100.0% PROCESSED 41009 ITERATIONS

1151 ANSWERS

SEARCH TIME: 00.00.01

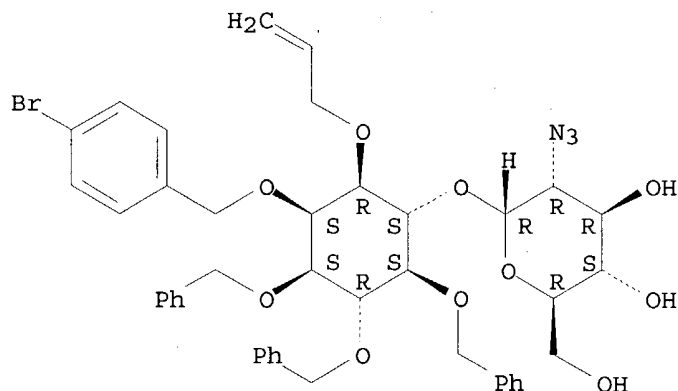
L5 1151 SEA SSS FUL L2 AND L1

=> d scan

10/670,744

L5 1151 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-myo-Inositol, 6-O-(2-azido-2-deoxy- α -D-glucopyranosyl)-2-O-[(4-bromophenyl)methyl]-3,4,5-tris-O-(phenylmethyl)-1-O-2-propenyl- (9CI)
MF C43 H48 Br N3 O10

Absolute stereochemistry. Rotation (+).



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

156.26

156.47

FILE 'STNGUIDE' ENTERED AT 14:52:48 ON 11 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Dec 3, 2004 (20041203/UP).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.78

157.25

FILE 'REGISTRY' ENTERED AT 15:00:23 ON 11 DEC 2004

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STRUCTURE FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

10/670,744

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> ....Testing the current file.... screen
```

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 1015

L6 SCREEN CREATED

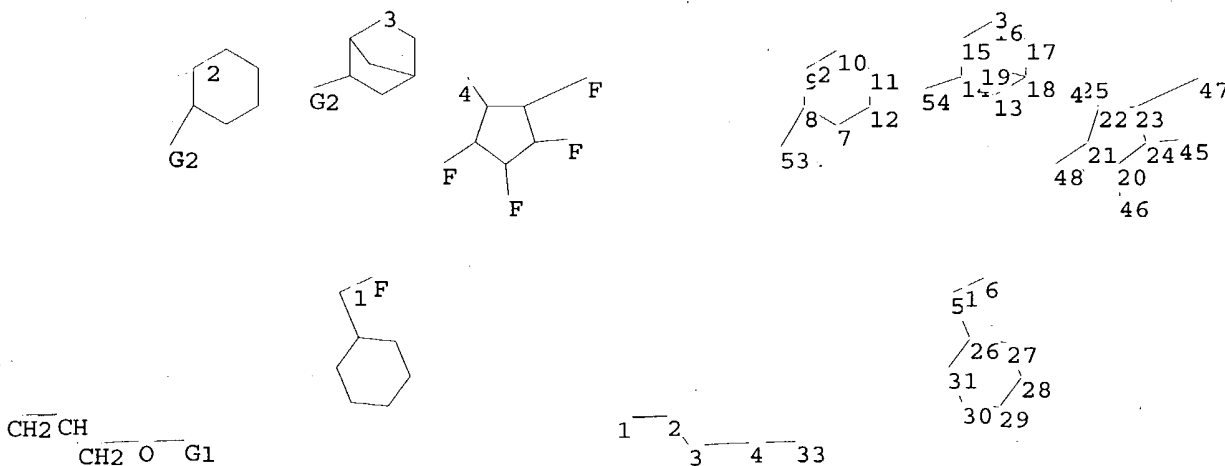
 \Rightarrow

Uploading C:\Program Files\Stnexp\Queries\10670744c.str

35

64041

7424344



chain nodes :

1 2 3 4 5 6 25 33 39 40 41 42 43 44 45 46 47 48 53 54

ring nodes :

[illegible]

chain bonds :

1-2 2-3 3-4 4-33 5-26 5-6 8-53 14-54 20-46 21-48 22-25 23-47 24-45
40-41 42-43 43-44

ring bonds :

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 7-8 | 7-12 | 8-9 | 9-10 | 10-11 | 11-12 | 13-14 | 13-18 | 14-15 | 15-16 | 15-19 | 16-17 | 17-18 |
| 18-19 | 20-21 | 20-24 | 21-22 | 22-23 | 23-24 | 26-27 | 26-31 | 27-28 | 28-29 | 29-30 | 30-31 | |

exact/norm bonds :

4-33 8-53 13-14 13-18 14-15 14-54 15-16 15-19 16-17 17-18 18-19

10/670,744

exact bonds :

1-2 2-3 3-4 5-26 5-6 7-8 7-12 8-9 9-10 10-11 11-12 20-21 20-24 20-46
21-22 21-48 22-23 22-25 23-24 23-47 24-45 26-27 26-31 27-28 28-29 29-30
30-31 40-41 42-43 43-44

isolated ring systems :

containing 7 : 20 : 26 :

G1:[*1],[*2],[*3],[*4]

G2:[*5],[*6],[*7]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom
28:Atom 29:Atom 30:Atom 31:Atom 33:CLASS 39:CLASS 40:CLASS 41:CLASS
42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 53:CLASS
54:CLASS

L7 STRUCTURE UPLOADED

=> que L7 AND L6

L8 QUE L7 AND L6

=> s 15 and 18

L5 MAY NOT BE USED HERE

The L-number entered was not created by a STRUCTURE or SCREEN command.

=> search 15 and 18

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss

ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:subset

ENTER SUBSET L# OR (END):18

L8 MAY NOT BE USED HERE

The L-number must have been created by a search in this file. To see all L-numbers defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>). For additional information on subset searching in this file, enter HELP SUBSET.

ENTER SUBSET L# OR (END):d history

D HISTORY IS NOT A VALID L#

L-numbers must be in the range L1-L999.

ENTER SUBSET L# OR (END):end

SEARCH ENDED BY USER

=> d history

(FILE 'HOME' ENTERED AT 14:50:50 ON 11 DEC 2004)

FILE 'REGISTRY' ENTERED AT 14:51:11 ON 11 DEC 2004

L1 SCREEN 970 AND 1015

L2 STRUCTURE UPLOADED

L3 QUE L2 AND L1

L4 32 S L3

L5 1151 S L3 FUL

FILE 'STNGUIDE' ENTERED AT 14:52:48 ON 11 DEC 2004

FILE 'REGISTRY' ENTERED AT 15:00:23 ON 11 DEC 2004

10/670,744

L6 SCREEN 970 AND 1015
L7 STRUCTURE UPLOADED
L8 QUE L7 AND L6

=> s 18

SAMPLE SEARCH INITIATED 15:03:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1879 TO ITERATE

53.2% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 34980 TO 40180
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L7 AND L6

=> s 18 ful

FULL SEARCH INITIATED 15:03:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 38035 TO ITERATE

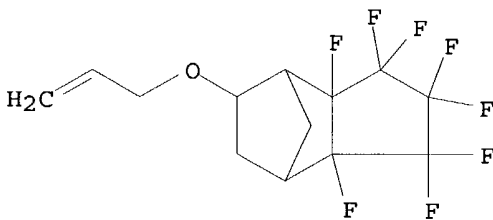
100.0% PROCESSED 38035 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L10 6 SEA SSS FUL L7 AND L6

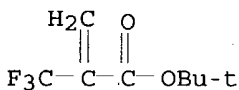
=> d scan 110

L10 6 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 2-Propenoic acid, 2-(trifluoromethyl)-, 1,1-dimethylethyl ester, polymer
with 1,1,2,2,3,3,3a,7a-octafluorooctahydro-5-(2-propenyloxy)-4,7-methano-
1H-indene (9CI)
MF (C13 H12 F8 O . C8 H11 F3 O2)x
CI PMS

CM 1



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

10/670,744

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

157.94

315.19

FILE 'CAPLUS' ENTERED AT 15:04:21 ON 11 DEC 2004

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FILE COVERS 1907 - 11 Dec 2004 VOL 141 ISS 25

FILE LAST UPDATED: 10 Dec 2004 (20041210/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

L11 3 L10

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 3 DUP REM L11 (0 DUPLICATES REMOVED)

=> d 1-3 bib fhitr

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:310169 CAPLUS

DN 140:347502

TI Fluorocopolymer made of allyl ether and photoresist and antireflection film using the polymer

IN Kobayashi, Satoru; Kawamura, Katsunori; Yamanaka, Kazuhiro; Komoritani, Haruhiko; Maeda, Kazuhiko

PA Central Glass Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 2004115692 | A2 | 20040415 | JP 2002-282553 | 20020927 |
| | US 2004116750 | A1 | 20040617 | US 2003-670744 | 20030926 |
| PRAI | JP 2002-282543 | A | 20020927 | | |
| | JP 2002-282553 | A | 20020927 | | |

IT 680190-52-7P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(fluorine-containing allyl ether polymer for photoresist and antireflection film)

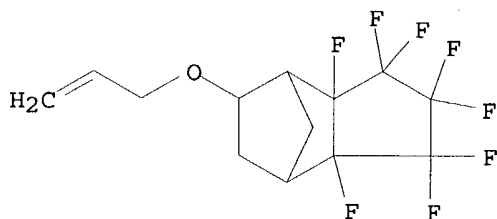
RN 680190-52-7 CAPLUS

10/670,744

CN 2-Propenoic acid, 2-(trifluoromethyl)-, 1,1-dimethylethyl ester, polymer with 1,1,2,2,3,3,3a,7a-octafluorooctahydro-5-(2-propenyloxy)-4,7-methano-1H-indene (9CI) (CA INDEX NAME)

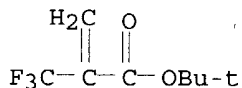
CM 1

CRN 676609-48-6
CMF C13 H12 F8 O



CM 2

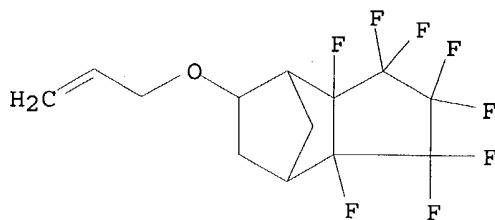
CRN 105935-24-8
CMF C8 H11 F3 O2



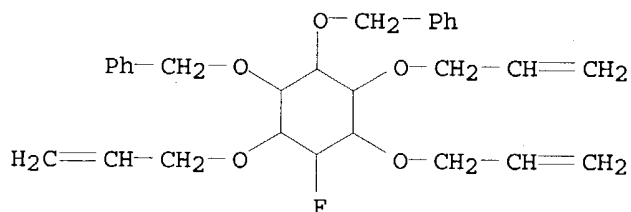
L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:307615 CAPLUS
DN 140:321905
TI Fluoroalicyclic allyl ethers
IN Kobayashi, Satoru; Kawamura, Katsunori; Komoritani, Haruhiko; Maeda, Kazuhiko
PA Central Glass Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | JP 2004115454 | A2 | 20040415 | JP 2002-282543 | 20020927 |
| | US 2004116750 | A1 | 20040617 | US 2003-670744 | 20030926 |
| PRAI | JP 2002-282543 | A | 20020927 | | |
| | JP 2002-282553 | A | 20020927 | | |
| OS | MARPAT 140:321905 | | | | |
| IT | 676609-48-6P | | | | |
| | RL: IMF (Industrial manufacture); PREP (Preparation) (manufacture of fluoroalicyclic allyl ethers) | | | | |
| RN | 676609-48-6 CAPLUS | | | | |
| CN | 4,7-Methano-1H-indene, 1,1,2,2,3,3,3a,7a-octafluorooctahydro-5-(2-propenyloxy)- (9CI) (CA INDEX NAME) | | | | |

10/670,744



L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1989:193259 CAPLUS
DN 110:193259
TI Fluorinated analogs and tritiated enantiomers of inositol
(1,3,4)-trisphosphate
AU Boehm, Marcus F.; Prestwich, Glenn D.
CS Dep. Chem., State Univ. New York, Stony Brook, NY, 11794-3400, USA
SO Tetrahedron Letters (1988), 29(41), 5217-20
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 110:193259
IT 120051-07-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and deallylation of)
RN 120051-07-2 CAPLUS
CN scyllo-Inositol, 1-deoxy-1-fluoro-3,4-bis-O-(phenylmethyl)-2,5,6-tri-O-2-
propenyl- (9CI) (CA INDEX NAME)



=> file stnguide

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 11.13 | 326.32 |

FULL ESTIMATED COST

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FILE CONTAINS CURRENT INFORMATION.

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=> file caplus

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.72 | 327.04 |

FULL ESTIMATED COST

10/670,744

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FILE COVERS 1907 - 11 Dec 2004 VOL 141 ISS 25
FILE LAST UPDATED: 10 Dec 2004 (20041210/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l5 and fluorine and allyl ether

590 L5
92467 FLUORINE
96802 ALLYL
454412 ETHER
3622 ALLYL ETHER
(ALLYL(W) ETHER)

L13 1 L5 AND FLUORINE AND ALLYL ETHER

=> d ti

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fluorocopolymer made of allyl ether and photoresist
and antireflection film using the polymer

=> file stnguide

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 6.65 | 333.69 |

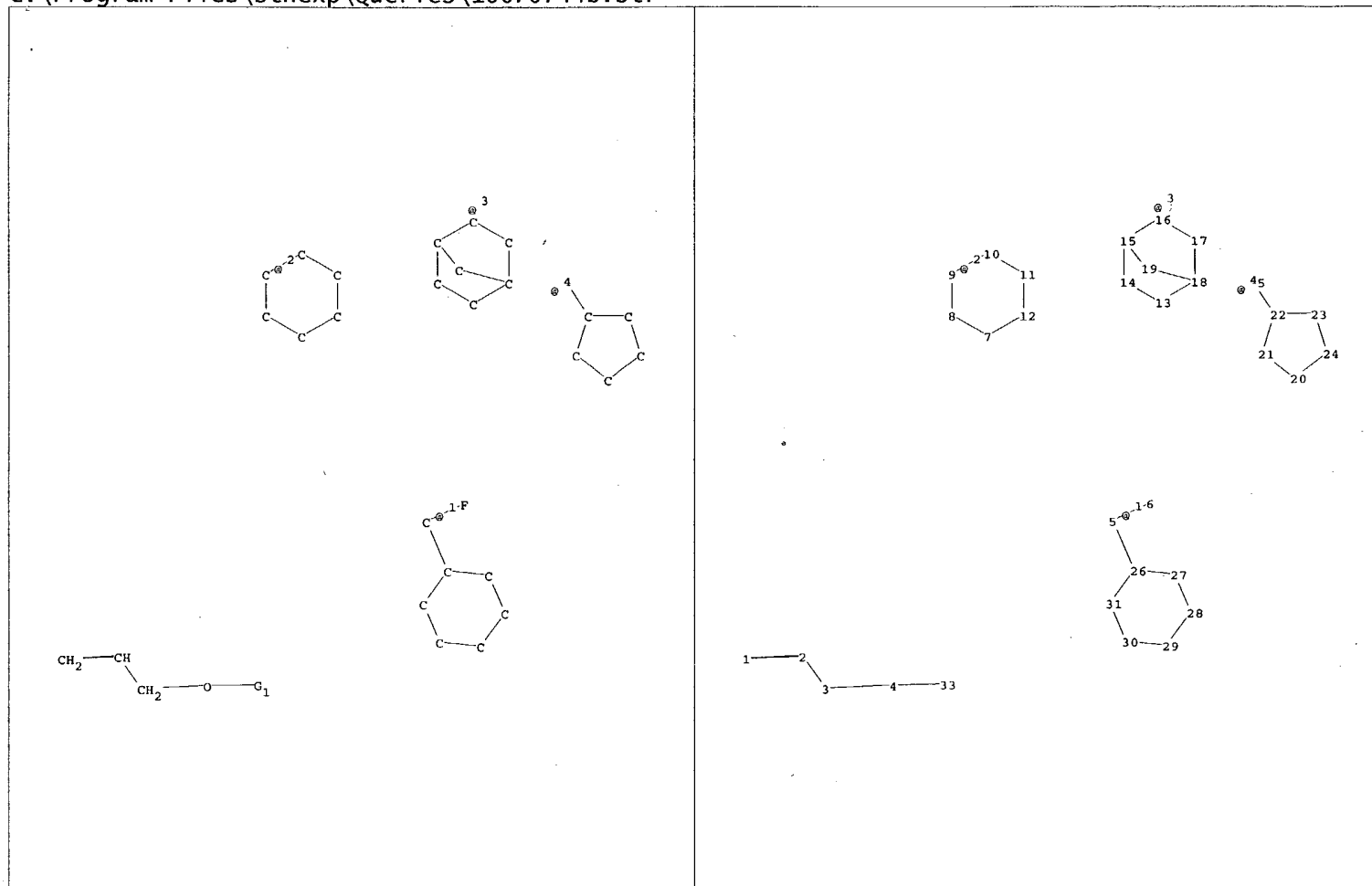
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 3, 2004 (20041203/UP).

=> log y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.30 | 333.99 |

STN INTERNATIONAL LOGOFF AT 15:17:09 ON 11 DEC 2004



chain nodes :

1 2 3 4 5 6 25 33

ring nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 29 30 31

chain bonds :

1-2 2-3 3-4 4-33 5-26 5-6 22-25

ring bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 15-19 16-17 17-18 18-19 20-21 20-24 21-22 22-23 23-24 26-27 26-31 27-28 28-29 29-30 30-31

exact/norm bonds :

4-33 13-14 13-18 14-15 15-16 15-19 16-17 17-18 18-19

exact bonds :

1-2 2-3 3-4 5-26 5-6 7-8 7-12 8-9 9-10 10-11 11-12 20-21 20-24 21-22 22-23 22-25 23-24 26-27 26-31 27-28 28-29 29-30 30-31

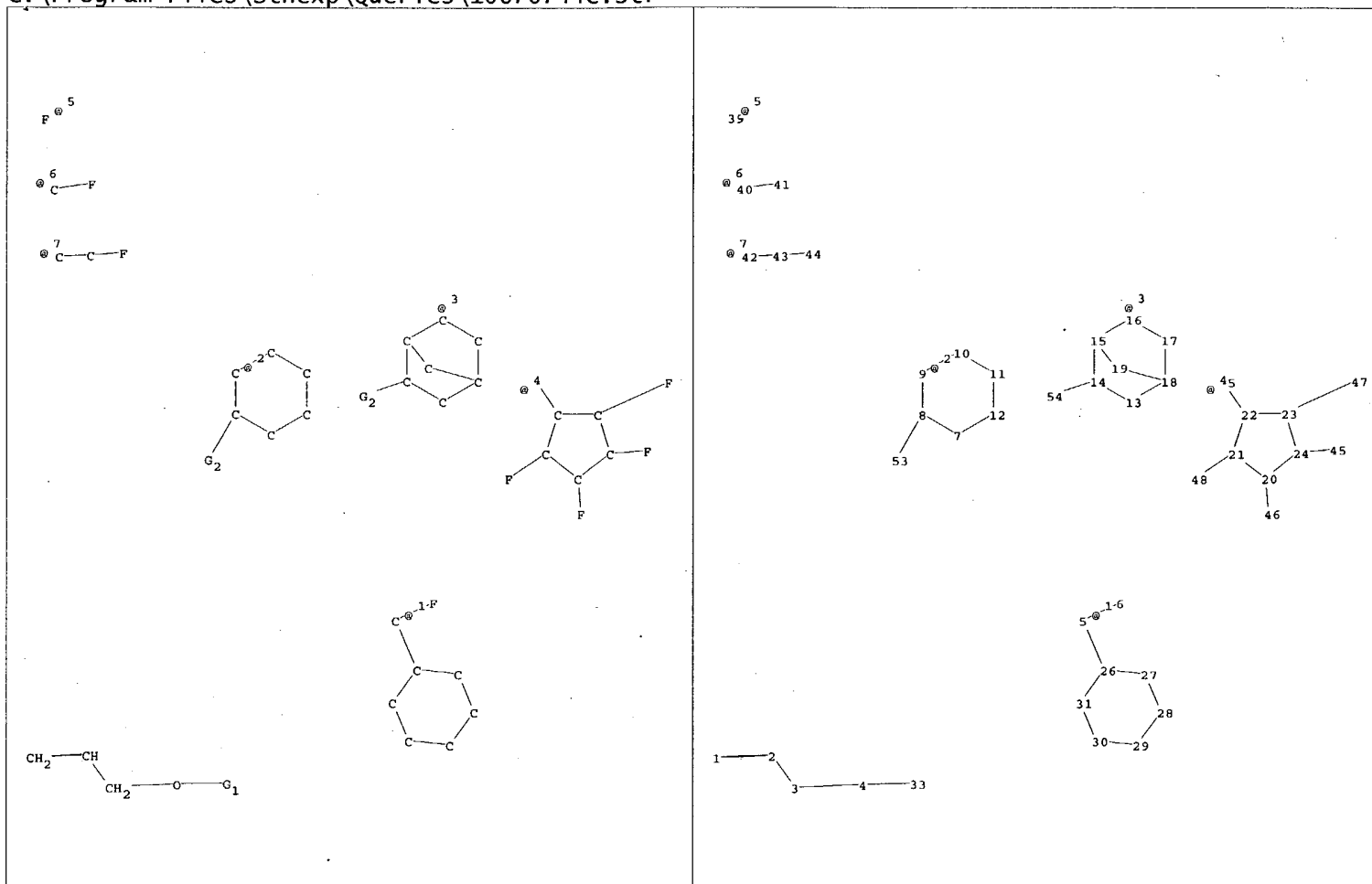
isolated ring systems :

containing 7 : 20 : 26 :

G1:[*1],[*2],[*3],[*4]

Match level :

| | | | | | | | | | |
|---------|---------|----------|---------|----------|---------|---------|---------|---------|---------|
| 1:CLASS | 2:CLASS | 3:CLASS | 4:CLASS | 5:CLASS | 6:CLASS | 7:Atom | 8:Atom | 9:Atom | 10:Atom |
| 11:Atom | 12:Atom | 13:Atom | 14:Atom | 15:Atom | 16:Atom | 17:Atom | 18:Atom | 19:Atom | 20:Atom |
| 21:Atom | 22:Atom | 23:Atom | 24:Atom | 25:CLASS | 26:Atom | 27:Atom | 28:Atom | 29:Atom | |
| 30:Atom | 31:Atom | 33:CLASS | | | | | | | |



chain nodes :

1 2 3 4 5 6 25 33 39 40 41 42 43 44 45 46 47 48 53 54

ring nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 29 30
31

chain bonds :

1-2 2-3 3-4 4-33 5-26 5-6 8-53 14-54 20-46 21-48 22-25 23-47 24-45 40-41
42-43 43-44

ring bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 15-19 16-17 17-18
18-19 20-21 20-24 21-22 22-23 23-24 26-27 26-31 27-28 28-29 29-30 30-31

exact/norm bonds :

4-33 8-53 13-14 13-18 14-15 14-54 15-16 15-19 16-17 17-18 18-19

exact bonds :

1-2 2-3 3-4 5-26 5-6 7-8 7-12 8-9 9-10 10-11 11-12 20-21 20-24 20-46 21-22
21-48 22-23 22-25 23-24 23-47 24-45 26-27 26-31 27-28 28-29 29-30 30-31
40-41 42-43 43-44

isolated ring systems :

containing 7 : 20 : 26 :

G1:[*1],[*2],[*3],[*4]

G2:[*5],[*6],[*7]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:Atom 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS
45:CLASS 46:CLASS 47:CLASS 48:CLASS 53:CLASS 54:CLASS